

Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Currently Amended) A waveguide interconnection apparatus, comprising:
a first housing having a first waveguide therein;
a second housing having a second waveguide connected to the first waveguide; and
a third housing having a third waveguide connected to the second waveguide,
wherein a signal propagated from the first waveguide through the second waveguide to the third waveguide is reflected to have a predetermined angle when it passes an interconnecting portion of each waveguide, and ~~at least one of both~~ inner connecting portions and outer connecting portions between the first waveguide and the second waveguide, and between the second waveguide and the third waveguide is curved.

2. (Original) The waveguide interconnection apparatus as claimed in claim 1, wherein the signal is an ultrahigh frequency signal.

3. (Original) The waveguide interconnection apparatus as claimed in claim 1, wherein the second waveguide separately consists of a first portion connected to the first waveguide, a second portion connected to the first portion, and a third portion connected to the second portion and the third waveguide.

4. (Original) The waveguide interconnection apparatus as claimed in claim 3, wherein the first portion, the second portion and the third portion are made to be curved, linear, and curved, respectively.

5. (Original) The waveguide interconnection apparatus as claimed in claim 3, wherein the first and third portions are formed to be bonded to a cover after the waveguide is curved at one surface of a rectangular parallelepiped structure made of a conductive material.

6. (Original) The waveguide interconnection apparatus as claimed in claim 1, wherein the first and third housings are made in such a manner that a rectangular parallelepiped structure made of a conductive material is punched to form rectangular parallelepiped waveguides.

7. (Original) The waveguide interconnection apparatus as claimed in claim 1, wherein the second housing is made in such a manner that a rectangular parallelepiped structure made of a conductive material is punched to form a rectangular parallelepiped waveguide.

8. (Original) The waveguide interconnection apparatus as claimed in claim 1, wherein the only outer connecting portion of the inner and outer connecting portions between the first waveguide and the second waveguide is curved, and the only outer connecting portion of the inner and outer connecting portions between the second waveguide and the third waveguide is curved.

9. (Original) The waveguide interconnection apparatus as claimed in claim 1, wherein the inner and outer connecting portions between the first waveguide and the second waveguide, and between the second waveguide and the third waveguide are curved.

10. (Currently Amended) A waveguide interconnection apparatus, comprising:
a first housing having a first waveguide; and
a second housing having a second waveguide connected to the first waveguide,
wherein a signal propagated from the first waveguide to the second waveguide is reflected to have a predetermined angle when it passes an interconnecting portion of the waveguides, and ~~at least one of an~~ both the inner connecting portion and ~~an~~ the outer connecting portion between the first waveguide and the second waveguide is curved.

11. (Original) The waveguide interconnection apparatus as claimed in claim 10, wherein the second housing is formed to be bonded to a cover after the waveguide is curved at one surface of a rectangular parallelepiped structure made of a conductive material.

12. (New) A waveguide interconnection apparatus, comprising:
a first housing having a first waveguide; and
a second housing having a second waveguide connected to the first waveguide,
wherein at least one housing has a rectangular parallelepiped structure.